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Claims

1. Gas turbine (1) whose combustion chamber (4) has a combustion chamber wall (23) formed from coolant tubes (24).
- 5 2. Gas turbine (1) according to Claim 1 wherein the coolant tubes (24) are made of cast material.
- 10 3. Gas turbine (1) according to Claim 1 or 2, whose coolant tubes (24) are of trapezoidal cross-section.
- 15 4. Gas turbine (1) according to one of Claims 1 to 3, wherein the coolant tubes (24) are mounted on a plurality of common support rings (36).
5. Gas turbine (1) according to Claim 4, wherein the coolant tubes (24) are mounted on the support rings (36) via coolable screws (38).
- 20 6. Gas turbine (1) according to Claim 4 or 5, wherein the support rings (36) are interconnected by a plurality of longitudinal fins to form a supporting structure.
- 25 7. Gas turbine (1) according to one of Claims 1 to 6, wherein each coolant tube (24) is composed of a plurality of tube segments (26).
- 30 8. Gas turbine (1) according to Claim 7, wherein consecutive tube segments (26) of a coolant tube (24) are interconnected via an assigned adapter piece (34).

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9. Gas turbine (1) according to one of Claims 1 to 8, wherein each coolant tube (24) is connected on the output side to a collecting chamber (46) via which the outflowing coolant (K) can be fed to a burner (10).

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10. Gas turbine (1) according to Claim 9, wherein each burner (10) is assigned a collecting chamber (46), each collecting chamber (46) being connected to the same number of coolant tubes (24).